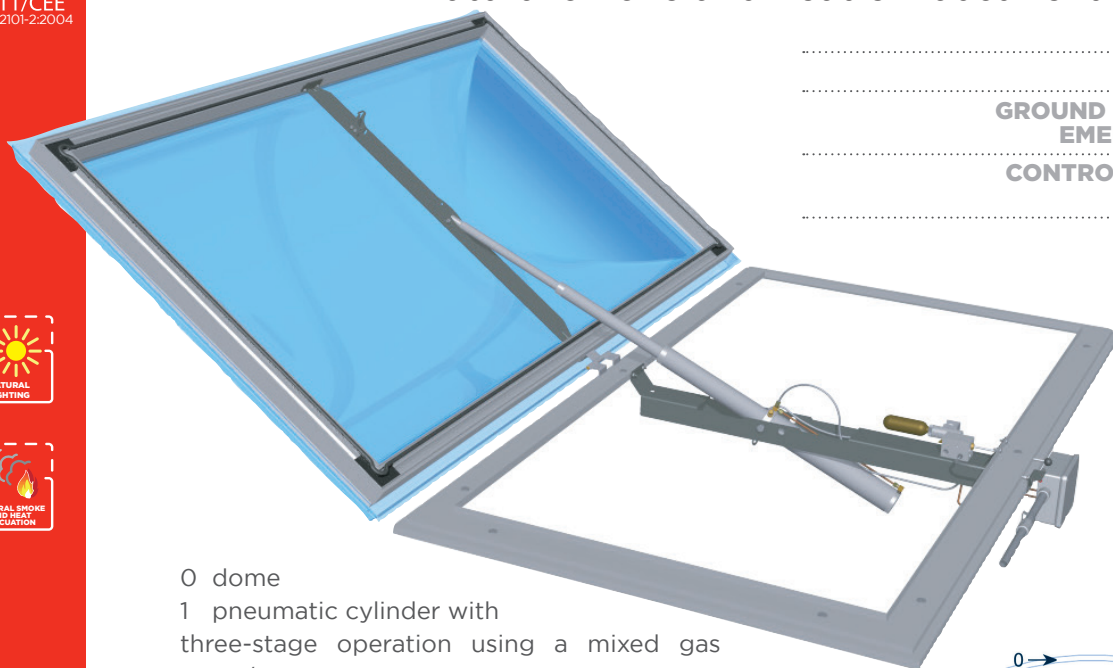




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FREE SMOKE PLUS

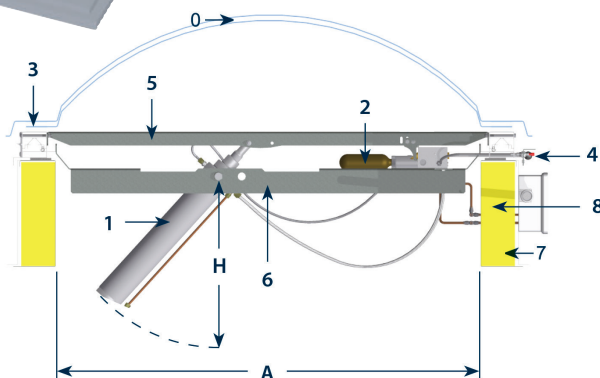
natural smoke and heat exhaust ventilator, open/close



- COMPACT SYSTEM ✓
- GROUND CLOSURE FROM THE EMERGENCY CONDITION ✓
- CONTROLLED THRUST UP TO FULL OPENING ✓

Overall view of the NSHEV FREE SMOKE PLUS device

- 0 dome
- 1 pneumatic cylinder with three-stage operation using a mixed gas (CO₂/OIL)
- 2 thermal valve with CO₂ gas cylinder and customizable calibrated glass vial
- 3 natural extruded aluminum opening frame
- 4 removable latch for external opening for periodic maintenance
- 5 upper bracket
- 6 lower bracket
- 7 curb
- 8 Entry of pneumatic line for opening and closing from floor panel.



Floor hole, smoke passage compartment.

NSHEV Free Smoke is a patented and compact system consisting of an aluminum frame with a sealing gasket, aluminum hinges, galvanized steel rivets and fasteners, and an opening device with a three-stage pneumatic cylinder operating with a mixed gas of CO₂/OIL, pivotally mounted between two parallel brackets. It also includes a CO₂ cylinder, a thermal fuse vial (with various available calibrations), and a thermal valve.

CYLINDER CLEARANCE IN OPENING

H (mm)	net-A light (mm)
400	≤ 860
440	> 860/ < 1400
620	≤ 1400

The presence of an additional latch cylinder ensures the possibility to open the sash for periodic maintenance and cleaning activities.

The device can be connected to a remote pneumatic opening without any additional accessories. NSHEV Free Smoke Plus is a device for opening only in case of emergency and can be closed by a pneumatic panel on the floor thanks to the double-acting functionality of the cylinder and thermal valve.

PERFORMANCE CLASSES IN DoP

PRODUCT DESCRIPTION:	Free Smoke Plus	BASSA TEMPERATURA AMBIENTE:	T-25° C
SERIAL NUMBER:	#####	CARICO VENTO:	WL 1500
OPERATION:	automatic/automatic + manual	RESISTENZA AL CALORE:	B 300
TEMPERATURE OF THERMAL START-UP:	68°C / 93°C / 141°C / 181°C	REAZIONE AL FUOCO DEL TAMPONAMENTO:	B-s1, d0 for polycarbonate
EFFECTIVE AERODYNAMIC SURFACE AREA Aa:	variable according to device size	RESISTENZA DEGLI SPOILER:	Not present
RELIABILITY:	RE 50		
OPENING UNDER LOAD:	SL 1000 if the geometric surface area is less than or equal to 3m ² . SL 500 if the geometric surface area is greater than or equal to 3m ² .		

Approfondisci



Check STANDARD DIMENSIONS IN THE LIST



The information and performance indicated in this data sheet refer to the complete NSHEV system including the curb and skylight (for further details regarding these specific items, please refer to the relevant datasheets).